

In the Claims

- 1 1. (original) A method for recognizing hand gestures, comprising:
 - 2 measuring an intensity of a signal at a plurality of touch sensitive pads of
 - 3 a touch sensitive surface;
 - 4 determining a number of regions of contiguous pads touched
 - 5 simultaneously from the intensities of the signals;
 - 6 determining an area of each region from the intensities; and
 - 7 selecting a particular gesture according to the number of regions touched
 - 8 and the area of each region.
- 1 2. (original) The method of claim 1, in which each pad is an antenna, and the
- 2 signal intensity measures a capacitive coupling between the antenna and a user
- 3 performing the touching.
- 1 3. (original) The method of claim 1, in which the regions are touched
- 2 simultaneously by a single user.
- 1 4. (original) The method of claim 1, in which the regions are touched
- 2 simultaneously by multiple users to indicate multiple gestures.
- 1 5. (original) The method of claim 1, further comprising:
 - 2 determining a total signal intensity for each region.
- 1 6. (currently amended) The method of ~~claim 1~~ claim 5, in which the total signal
- 2 intensity is related to an amount of pressure associated with the touching.

1 7. (original) The method of claim 1, in which the measuring is performed at a
2 predetermined frame rate.

1 8. (original) The method of claim 1, further comprising:
2 displaying a bounding perimeter corresponding to each region touched.

1 9. (currently amended) The method of ~~claim 1~~ claim 8, in which the perimeter
2 is a rectangle.

1 10. (currently amended) The method of ~~claim 1~~ claim 8, in which the perimeter
2 is a circle.

1 11. (currently amended) The method of claim 1, further comprising:
2 determining a trajectory of each touched ~~regions~~ region over time.

1 12. (original) The method of claim 11, further comprising:
2 classifying the gesture according to the trajectories.

1 13. (original) The method of claim 11, in which the trajectory indicates a
2 change in area size over time.

1 14. (original) The method of claim 11, in which the trajectory indicates a
2 change in total signal intensity for each area over time.

1 15. (currently amended) The method of claim 13, further comprising:
2 determining ~~as rate~~ a rate of change of area size.

1 16. (original) The method of claim 11, further comprising:
2 determining a speed of movement of each region from the trajectory.

1 17. (currently amended) The method of ~~claim 15~~ claim 16, further comprising:
2 determining a rate of change of speed of movement of each region.

1 18. (currently amended) The method of claim 8, in which the bounding
2 perimeter ~~corresponding~~ corresponds to an area of region touched.

1 19. (currently amended) The method of claim 8, in which the bounding
2 perimeter ~~corresponding~~ corresponds to a total signal intensity of the region
3 touched.

1 20. (currently amended) The method of claim 1, in which the particular gesture
2 is selected from ~~the group~~ a group consisting of one finger, two fingers, more
3 than two fingers, one hand and two hands.

1 21. (original) The method of claim 1, in which the particular gesture is used to
2 manipulate a document displayed on the touch sensitive surface.

1 22. (original) The method of claim 1, further comprising:
2 displaying a document on the touch surface;
3 annotating the document with annotations using one finger while
4 pointing at the document with two fingers.

1 23. (currently amended) The method of ~~claim 21~~ claim 22, further comprising:
2 erasing the annotations by wiping an open hand back and forth across the
3 annotations.

1 24. (currently amended) The method of ~~claim 22~~ claim 23, further comprising:
2 displaying a circle to indicate an extent of the erasing.

1 25. (currently amended) The method of claim 1, further comprising:
2 displaying a document on the touch sensitive surface;
3 defining a selection box on the document by pointing at the document
4 with more than two fingers.

1 26. (currently amended) The method of claim 1, further comprising:
2 displaying a plurality of ~~document~~ documents on the touch sensitive
3 surface;
4 gathering the plurality of documents into a ~~displayed~~ display by placing
5 two hands around the documents, and moving the two hands towards each
6 other.

1 27. (original) The method of claim 1, further comprising:
2 determining a location of each region.

1 28. (currently amended) The method of ~~claim 26~~ claim 27, in which the location
2 is a center of the region.

1 29. (currently amended) The method of ~~claim 26~~ claim 27, in which the
2 location ~~is median~~ is a median of the intensities in the region.